



MEGA BRIGHT LED

CTRONIOUES

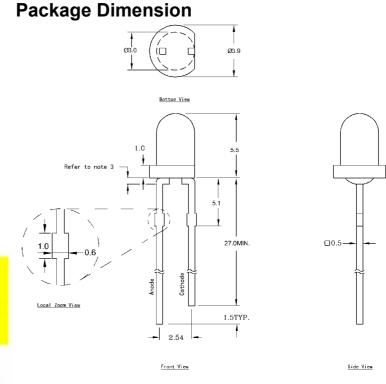
BTL-32DRC-XX-X

Product Features

- Ultra Bright Red Color
- High Light Output
- **3mm Diameter Circular Package** .
- Water Clear Lens .
- **Highly Reliable**
- IC Compatible
- Leads without Stand Off

Applications

- Automotive
- **Front Panel Indicator**
- **Special Lighting**
- **General Purpose LEDs** .
- WARNING This range of LEDs is produced with die having a high radiant flux. Care must be taken when viewing the product at close range as the light may be intense enough to cause damage to the human eye.
 - Note: Industry standard procedures regarding static must be observed when handling this product.



inch 0.01 + + Unit: Tolerance: 0.25 mm

Optical and Electrical Characteristics at Ta=25°C

Parameter	Symbol	Minimum	Typical	Maximum	Units	Conditions
Luminous Intensity	l _v	_	1500	_	mcd	I _F = 20mA (Note 1)
Viewing Angle	2θ ½	_	30	_	deg	I _F = 20mA
Dominant Wavelength	$\lambda_{ m D}$	645	652	660	nm	I _F = 20mA (Note 2)
DC Forward Voltage	V _F	_	1.9	2.5	V	I _F = 20mA
DC Reverse Current	I _R	0	_	10	μA	V _R =5V

Notes:

- 1. Light intensity measures the light sensing response standard using chromatic meter. Refer to the CIE eye-response curve set by International Lighting committee. Tolerance of minimum and maximum intensity = ± 15%
- 2. Wavelength range can be selected from the bin selection table. Tolerance of minimum and $maximum = \pm 2nm$
- 3. These products are sensitive to static electricity and care must be fully taken when handling products



DBLECTRUZ COMPOSANTS ÉLECTRONIQUES ELECTRONIC COMPONENTS



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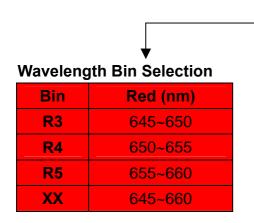
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Absolute Maximum Ratings at Ta=25°C

Symbol	Parameter	Max.	Unit
PD	Power Rating	100	mW
V _R	Reverse Voltage (I _R =10µA)	5	v
I _F	Continuous Forward Current	30	mA
I _{FP}	Peak Forward Current (0.1 duty cycle @ 1kHz)	100	mA
T _{opr}	Operating Temperature Range	-35 ~ + 80	°C
T _{stg}	Storage Temperature Range	-40 ~ + 100	°C
Lead Soldering Temperature [1.6mm (0.063inch) from body]		260°C - max 5 seconds	

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Wavelength and Brightness Selection



Brightness Bin Selection

Bin	Range(mcd)
N	880~1140
Ο	1140~1485
Р	1485~1930

Packaging Options

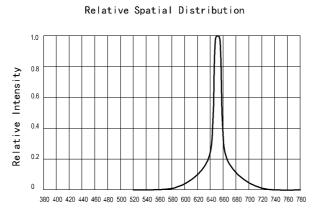
Standard: 1000 pc bulk pack Optional: Tape and Reel (Please specify when order)



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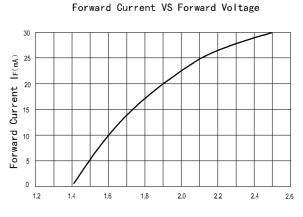
Typical Electro-Optical Characteristics Curves at T_a=25°C



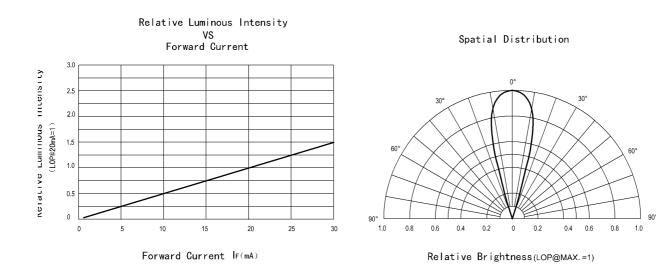
Technologies Co., Ltd.

B

Wavelength $\lambda P(nm)$







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